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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/564,874	01/17/2006	Hiroyuki Shimoji	SAEG124.005APC	3870	
20095 7590 1222/2009 KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614			EXAM	EXAMINER	
			ORKIN, ALI	ORKIN, ALEXANDER J	
			ART UNIT	PAPER NUMBER	
			3773		
			NOTIFICATION DATE	DELIVERY MODE	
			12/21/2009	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com eOAPilot@kmob.com

Application No. Applicant(s) 10/564.874 SHIMOJI ET AL. Office Action Summary Examiner Art Unit ALEXANDER ORKIN 3773 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 25 November 2009. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-6 and 10-14 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-6 and 10-14 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 01/17/2006 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date

Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/06)

Attachment(s)

Interview Summary (PTO-413)
Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/25/2009 has been entered.

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be neadtived by the manner in which the invention was made.
- 3. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - Resolving the level of ordinary skill in the pertinent art.
 - Considering objective evidence present in the application indicating obviousness or nonobviousness.
- Claims 1, 3, 4, 6, 10-14 rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,766,188 to Igaki in view of U.S. Patent 6,352,561 to Leopold et al.

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As to claims 1, 6, 10 lgaki discloses a tubular suture reinforcement material and the method of making the material by stacking two sheet-like materials and sewing together both ends using two stitches, and combining the two sheets of materials by sewing two opposite sides to create the tubular structure. The ends of the threads are extended to a suitable length (Fig 1, col. 3, II. 30-43). However lgaki lacks the two chain stitches and that the thread end is passed through an anterior loop continuous to the thread end. Instead they disclose a normal stitch. However it is commonly known in the art to use a chain stitch.

Leopold teaches using a chain stitch on a medical implant using only one thread. The stitch has each loop going through the prior loop just like how the chain stitch is defined in this application (Fig. 13, col. 15, II. 17-40). Leopold further discloses the thread end (tuck back) is passed through an anterior loop continuous with the threaded thereby preventing unraveling without tying a knot at the anterior loop (506, figure 13, col. 15 II. 25-40). Leopold does disclose a slip knot however the knot is separate from the stitch (col. 15 II. 28-30) and therefore will not be a knot at the anterior loop. Additionally, the thread end does loop back through an anterior loop, and since the specific anterior loop is not specified just an anterior loop, the tuck back reads on the claims. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the stitch of Igaki with the chain stitch of Leopold in order to better prevent unwanted unraveling.

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As to claim 3, with the invention of Igaki and Leopold above, Igaki further discloses the material of the tubular suture reinforcement material being made up from a biodegradable and bioabsorbable knitted, woven, unwoven fabric etc (col. 3, II. 1-12).

As to claim 4, with the invention of Igaki and Leopold above, Igaki discloses that these materials can be stacked on top of each other with one of them being stretchable in order to make the tubular shape (col. 3, II. 1-12).

As to claim 11, with the invention of Igaki and Leopold above, Igaki further discloses the automatic suture device comprising a cartridge with staples and a frame that has a staple receiving slot wherein a tubular suture reinforcement material for an automatic suturing device is fitted to the cartridge and/or frame (Fig. 5).

As to claim 12, with the invention of Igaki and Leopold above, Igaki discloses the method of removing an affected part of a tissue, which could be a lesion from a patient by first sandwiching the tissue in the unwoven fabrics. The tissue is then separated by a cutter. Finally the end of the suture is pulled to separate the section remaining in vivo and the section removed. This leaves part of the material inside the body, while removing some of the material along with the affected part (figure 5-7, col. 3 ll. 33-53).

As to claims 13 and 14, with the invention of Igaki and Leopold above, Igaki discloses using this method in either a soft tissue or in a pulmonary tissue (col. 4. II. 53-59).

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Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S.
Patent No. 5,766,188 to Igaki in view of U.S. Patent 6,352,561 to Leopold et al. in further view of U.S. Patent No. 6.063.097 to Oi et al.

As to claim 2, Igaki and Leopold teach the tubular suture reinforcement material above in claim 1, but they lack the tapered end.

Oi teaches the tubular reinforcement material having the tip part sewed in a tapering fashion (Fig. 7). It would have been obvious to one of ordinary skill of the art to modify the tip part of the material of Igaki and Leopold to make be sewn in a tapered manner as taught by Oi in order to prevent turnup of the supporting element.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S.
Patent No. 5,766,188 to Igaki in view of U.S. Patent 6,352,561 to Leopold et al. in further view of U.S. Patent No. 6,273,897 to Dalessandro et al.

As to claim 5, and Leopold teach the tubular suture reinforcement material above in claim 1 but they lack the projections on the sewing portion of the reinforcement material.

Dalessandro teaches projections on a buttress or a suture reinforcement material. These projections can make it easier to slide the buttress onto the instrument (Fig 12, 13a, 13b, col. 3, II. 50-2). This same function of using the projections to make it easier to slide a device on the instrument can be used with lgaki and Leopold in loading the suture reinforcement material onto the instrument. Therefore, it would have been obvious to one of ordinary skill in the

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art at the time of the invention was made to modify tubular structure of Igaki with the projection of Dalessandro in order to make it easier to load the tubular suture reinforcement material onto the automatic suturing device.

Response to Arguments

 Applicant's arguments with respect to claims 1-6, 10-14 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEXANDER ORKIN whose telephone number is (571)270-7412. The examiner can normally be reached on Monday-Friday 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jackie Ho can be reached on (571)272-4696. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/A. O./ Examiner, Art Unit 3773

/(Jackie) Tan-Uyen T. Ho/ Supervisory Patent Examiner, Art Unit 3773